

## Abstract

A hydraulic operation controlling unit where the engine can be driven stably at a target output torque point and reduction in the work speed can be prevented at the time of light load, and reduction in the cost for fuel can also be achieved, as well as a hydraulic excavator that is provided with the same, are provided.

An engine control unit 23 controls the output of an engine 16, so that the output properties of engine 16 become equi-horsepower properties or approximately equi-horsepower properties in a predetermined range ( $N_2$  to  $N_6$ ) of the engine speed that includes engine speed  $N_3$ , which corresponds to matching point  $M_3$ , and a hydraulic pump absorbing torque controlling unit 27 increases or reduces the absorbing torque of a hydraulic pump 17 in response to an increase or decrease in the engine speed, and thus, controls the absorbing torque of hydraulic pump 17 so as to make output torque  $T_3$  of engine 16 which corresponds to matching point  $M_3$  and the absorbing torque of hydraulic pump 17 coincide with each other.